

# Recombinant Ferret MS4A1 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** MS4A1-09FAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 488 conjugated recombinant Ferret MS4A1 C-terminal cytoplasmic domain (Glu 213-Pro 297), fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus, was produced in Human Cell.                          |
| <b>Species</b>          | Ferret                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 96                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | The recombinant Ferret CD20 consists of 96 amino acids and has a calculated molecular mass of 11.3 kDa. The apparent molecular mass of the recombinant protein is approximately 25 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                       |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                                                                                                          |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b>   | Lyophilized from sterile PBS, pH 7.4                                                                                                                                      |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>      | Alexa Fluor 488                                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                           |
| <b>Gene Name</b>        | MS4A1 membrane-spanning 4-domains, subfamily A, member 1 [ <i>Mustela putorius furo</i> (domestic ferret) ]                                                               |
| <b>Official Symbol</b>  | MS4A1                                                                                                                                                                     |
| <b>Gene ID</b>          | 101694281                                                                                                                                                                 |
| <b>mRNA Refseq</b>      | XM_004822605                                                                                                                                                              |
| <b>Protein Refseq</b>   | XP_004822662                                                                                                                                                              |

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